CHARTER FOR THE

CONFIGURATION CONTROL BOARD

FOR THE

INTEGRATED PRODUCT TEAM

OF THE

NAVIGATION SYSTEMS

IN SUPPORT OF THE LIFE-CYCLE MANAGEMENT

OF THE NATIONAL AIRSPACE SYSTEM

March 19, 1999

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ORGANIZATION	SIGNATURE	DATE
AND-730	[signature]	2/17/99
AND-740	[signature]	2/26/99
ACT-300	[signature]	3/8/99
ARN-I	[signature]	3/8/99
AOS-100	[signature]	2/26/99
AOS-200	[signature]	3-3-99
ASU-310	[signature]	2/17/99
ANS-100	[signature]	3/9/99
ASD-100	[signature]	3/9/99
ANI-60	~~M/E Bosson for/per Khalil~~ Kedsi, Manager, Surveillance/Weather, ANI-60	2-26-99
AML-30	[signature]	2/25/99

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1.0 INTRODUCTION

1.1 Purpose

This charter establishes the Navigation Configuration Control Board (Navigation CCB) and assigns responsibility for establishing baselines and controlling changes to these baseline for the Configuration Items (CIs) listed in Appendix A (see page 9). These baselines include software, hardware, firmware, specialized and automatic test equipment (ATE), siting criteria, training devices, training curriculum, technical documentation, waivers, and operational site configuration.

The Product Team Leads/Product Leads (PTL/PL's) who are under the purview of the Navigation CCB shall establish, document, and maintain a Configuration Management (CM) program for their respective products.

1.2 Authority

The National Airspace System Configuration Control Board (NAS CCB) authorizes the Navigation CCB, in accordance with Federal Aviation Administration (FAA) Order 1800.8. This authority does not extend to the creation of lower level CCBs, which is reserved only for the NAS CCB.

Additionally, the Navigation CCB co-chairpersons have the authority to delegate specific configuration control authority to other members within the CCB. This delegated authority is documented in the CCB Operating Procedures.

2.0 NAVIGATION CCB RESPONSIBILITIES

The Navigation CCB shall have the following responsibilities:

a. Evaluate change paper submitted to ensure that the changes to baselined documents are presented to the Navigation CCB for action. It should include accurately completed NAS Change Proposals and thorough evaluations of the impacts of the proposed changes.

b. Ensure adherence to configuration control procedures in processing changes to the baselines under Navigation CCB control.

c. Establish baselines for CIs and control subsequent changes to those baselines.

d. Issue Configuration Control Decisions (CCDs) which are directives for establishing baselines or making changes to the baselined documents, hardware, software and/or firmware under the Navigation CCB control.

e. Ensure that proposed changes with interface impact outside the Navigation CCB are coordinated with the responsible organizations.

f. Maintain and approve proposed changes to the Navigation CCB Operating Procedure.

g. Process changes in accordance with the configuration control procedures as described in the Navigation CCB Operating Procedures.

h. Document and track Navigation CCB actions and decisions in accordance with the processes and procedures as defined in the CCB Operating Procedure.

i. Submit appropriate documentation to ASD-200 to ensure that the NAS-MD-001 is kept updated to reflect the current status of Configuration Items listed in Appendix A. NAS-MD-001 is maintained and updated by ASD-220.

j. The Navigation CCB shall give consideration to improving safety, operational effectiveness, providing for adequate logistics support, bringing about significant life cycle cost savings, and affordability. The CCB must not approve proposed changes, which are not funded.

l. Coordinate plans and policies for the configuration management and evolution of the Navigation system interfaces throughout their life cycle, including planning for transition of CIs not covered under the Navigation CCB to the appropriate CCB.

3.0 NAVIGATION CCB PARTICIPANTS

The participants of the CCB shall be the following individuals, or their designated representatives:

a. Members

1. **Co-Chairpersons:** Integrated Product Team Leader (IPTL) for Navigation Systems and Program Director for Operational Support, or other representative, as designated by the Co-Chairpersons.

2. **CCB Secretariat:** The AND-700 CM officer representative to the AND-700 IPT.

3. **Permanent Members:** Decision makers who represent the individual configuration items that comprise the Navigation domain:

- PTL/PL or designee for each product identified in Appendix A (see page 9)

- FAA Technical Center (ACT),
  CNS Engineering and Test Division, ACT-300

- Communications, Navigation, Surveillance & Infrastructure (ARN)
  Emerging Technologies Division, ARN-100,

- FAA Logistics Center (AML)
  Engineering and Production Division, AML-30,

- NAS Transition and Integration Service (ANS)
  NAS Transition Integration Division ANS-700,

- Operational Support Program (AOS)
  In-Service Engineering Division, AOS-100
  National Airway Systems Engineering Division, AOS-200,

- NAS Systems Architecture and Investment Analysis (ASD)
  Architecture and Systems Engineering, ASD-100

- Office of Acquisitions (ASU)
  Contracts Division, ASU-300.

4. **Ad Hoc Members:** Ad Hoc members represent FAA organizations, other than those already represented by the permanent CCB membership, which are "stakeholders", or will be impacted by changes being decided by the CCB. Their function shall be to ensure proposed changes are consistent with technical and policy positions of their organizations.

b. Technical Advisors, Consultants, and Program Control Specialists personnel from various Government and contractor organizations may attend meetings to provide specialized technical or program management information.

4.0 NAVIGATION CCB ADMINISTRATION

The CCB Secretariat shall be responsible for scheduling CCB meetings for coordinating and performing the administrative tasks for the CCB, including but not limited to: preparation of CCB agenda and minutes, supporting the change screening activities, and elevating proposed changes to the NAS CCB. Additionally, the Secretariat will perform monitoring of functions under the authority of the CCB, as described in the Operating Procedures.

5.0 NAVIGATION CCB RECOMMENDATIONS AND DECISIONS

The Navigation CCB shall review, approve, disapprove, defer, or elevate proposed NAS Change Proposals (NCPs), Document Change Requests (DCRs), Engineering Change Proposals (ECPs), and Requests for Deviation and Waiver. The CO-Chairperson's shall make the final decision for all change proposals submitted to the CCB. The Co-Chairpersons shall poll the members for their position prior to making the final decision. Individual CCB members may appeal the decision to the NAS CCB as defined in the CCB Operating Procedures.

a. Decisions on NCPs will be documented in a Configuration Control Decision (CCD), prepared by the CCB Secretariat, and signed by the Co-Chairpersons.

b. Decisions on DCRs, ECPs, and Deviations and Waivers may be documented on the applicable change forms or in a CCD. Changes to baselines identified in the MCI shall be proposed as an NCP and decisions shall be documented on a CCD.

6.0 CHANGES TO THE NAVIGATION CCB CHARTER

This charter shall be changed only with the approval of the NAS CCB, upon the recommendation of the Navigation CCB.

7.0 DELEGATION OF NAVIGATION CCB AUTHORITY

The CCB Co-Chairpersons can authorize members to act as a Chairperson via a memorandum to the CCB Secretariat. The CCB permanent members can delegate specific authority by a memorandum signed by a CCB Co-Chairperson. Additionally, when time-critical or urgent processing of proposed change requests are necessary, the CCB Co-Chairperson may approve/ or disapprove changes without benefit of a CCB meeting or member review. All change requests processed outside the normal CCB

process shall be documented and communicated to permanent members as soon as practicable, or at the next regularly scheduled meeting. Questions and concerns regarding CCB decisions are addressed to the CCB Secretariat and will be presented to the CCB Co-Chairpersons.

Appendix A - Navigation Configuration Items

Appendix A- Navigation Configuration Items:

The CIs listed below are under the control of the CCB. Currently, these CIs reflect the primary products that will comprise the modernized Navigation system. As these CIs or components thereof, are placed under configuration control, they will be entered into the Master Configuration Index and contained in the NAS Subsystem Baseline Configuration and Documentation Listing, NAS-MD-001.

- Approach Lighting System (ALS)
- Approach Lighting System with Sequenced Flashing Lights (ALSF-2)
- Long Range Navigation System (AVLORMON)
- Direction Finder (DF)
- Distance Measuring Equipment (DME)
- Distance Measuring Equipment with TACAN (DMER)
- End-Fire Glide Slope (EFGS)
- Global Positional System Monitors (GPS)
- Instrument Landing System (ILS)
- Local Area Augmentation System (LAAS)
- Medium Intensity Approach Lighting System (MALS)
- Medium Intensity Approach Lighting System Sequenced Flashing Lights (MALSF)
- Medium Intensity Approach Lighting System with R/W Alignment (MALSR)
- Microwave Landing System (MLS)
- Non-Directional Beacon (NDB)
- Omnidirectional Approach Lighting System (ODALS)
- Precision Approach Path Indicator (PAPI)
- Runway End Identifier Lighting System (REIL)
- Remote Radio Control Interface Unit (RRCIU)
- Remote Radio Control System (RRCS)
- Runway Visual Range (RVR)
- Simplified Short Approach Lighting System with Runway Alignment Lights (SSALR)
- Tactical Air Navigation (TACAN)
- Traffic Alert and Collision Avoidance System (TCAS)
- Transponder Landing System (TLS)
- Very-High-Frequency Omnidirectional-Range Radio (VOR)
- VORTAC (Second Generation VOR/VORTAC/DME) VHF Omnidirectional Range Radio & Tactical Air Navigation with DME (VTC)
- Wide Area Augmentation System (WAAS)
- Non Fed Systems

Appendix B - ACRONYM LIST

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ATE	Automatic Test Equipment
CCB	Configuration Control Board
CCD	Configuration Control Decision
CI	Configuration Item
DCR	Document Change Request
ECP	Engineering Change Proposal
FAA	Federal Aviation Administration
IPT	Integrated Product Team
IPTL	Integrated Product Team Lead
IRD	Interface Requirements Document
NAS	National Airspace System
NCP	NAS Change Proposal
PT	Product Team
PTL	Product Team Lead